

## CLAIMS

1. Oscillating weight for an automatic watch, arranged to carry a bearing (12) defining an axis of rotation (A-A) and intended to be mounted on the frame of the watch, including a mass member having a centre of gravity (G) shifted with respect to the axis of rotation, characterized in that said member includes:
- two parts that can be moved one (10, 18; 32) in relation to the other (24; 34), and arranged such that their relative movement causes a radial movement of the centre of gravity (G) of the mass member, and
  - a securing device (13, 14, 16b; 44, 46, 48, 54, 56) cooperating with the first and second parts, capable of occupying a first state in which said parts can be moved with reference to each other, and a second state in which said parts are rigidly secured to each other.
2. Oscillating weight according to claim 1, characterized in that said first part includes a plate (10) arranged for carrying said bearing (12) and a sector of inertia (18) rigidly fixed to the plate (10).
3. Oscillating weight according to claim 3, characterized in that said second part is formed of at least one inertia block (24) pivotably mounted on said sector (18) and in that said securing device includes indexing means (22) arranged for positioning said inertia block in a finite number of predefined positions in which said device holds said inertia block when said device is in its second state, whereas said device allows passage from one of these positions to another when said device is in its first state.
4. Oscillating weight according to claim 3, characterized in that the second part includes two inertia blocks (24).
5. Oscillating weight according to claim 4, characterized in that one of the inertia blocks (24) can occupy a finite number  $n$  of positions, defined such that the passage from one of the positions to another generates a radial movement of the centre of gravity (G) of a value  $\Delta G$ , and in that said second inertia block (24) is arranged so as to be able to occupy a number  $m$  of positions where the passage from one position to another generates a radial movement of the centre of gravity of a value  $\Delta g$ , said inertia blocks (24) being arranged so that the product  $m \cdot \Delta g$  is substantially equal to  $\Delta G$ .

6. Oscillating weight according to claim 2, characterized in that said second part (34) also includes a plate (40) and a sector of inertia (42), disposed respectively side by side with the plate (36) and the sector (38) of the first part (32), and in that the securing device is arranged to allow, in its first state, a relative angular movement of
- 5 the second part (34) with reference to the first part (32) by rotation about said axis (A-A).